

WHAT IS CLAIMED IS:

1. A composition for livestock feed, comprising  
a feed for livestock and  
at least two additives selected from the group  
consisting of nucleic acid, glutamine and glutamic acid.

2. The composition according to claim 1, wherein  
the feed for livestock is selected from the group  
consisting of a milk replacer, a pre-starter feed and a  
starter feed.

3. The feed according to claim 1, wherein  
the nucleic acid is added in an amount from 0.01 to  
2.5% by weight per feed weight;

the glutamine and glutamic acid is added in an  
amount from 0.05 to 2.5% by weight per feed weight; and

a mixture of at least two additives selected from  
the group consisting of nucleic acid, glutamine and  
glutamic acid is added in an amount from 0.05 to 5% by  
weight per feed weight.

4. A method for increasing body weight gain  
efficiency and feed efficiency in livestock, comprising  
administering the composition for livestock feed of claim 1  
to livestock.

5. The method according to claim 4, wherein the composition is administered in the weaning period.

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